



## A "One health" approach to address emerging zoonoses: The HALI project in Tanzania

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**Author(s):** Mazet JAK, Clifford DL, Coppolillo PB, Deolalikar AB, Erickson JD, Kazwala RR  
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### Abstract:

Need for Integrated Health Approaches. Every day thousands of children and adults die from underdiagnosed diseases that have arisen at the human–animal–environment interface, especially diarrheal and respiratory diseases in developing countries. ExPLOSive human population growth and environmental changes have resulted in increased numbers of people living in close contact with wild and domestic animals. Unfortunately, this increased contact together with changes in land use, including livestock grazing and crop production, have altered the inherent ecological balance between pathogens and their human and animal hosts. In fact, zoonotic pathogens, such as influenza and SARS (severe acute respiratory syndrome), account for the majority of emerging infectious diseases in people, and more than three-quarters of emerging zoonoses are the result of wildlife-origin pathogens. While zoonoses represent a significant emerging threat to public health, many of these diseases, such as diarrheal diseases arising from poor water sanitation, are neglected by funding agencies.

**Source:** <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2784942>

### Resource Description

#### Exposure :

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Food/Water Quality, Food/Water Security, Temperature

**Food/Water Quality:** Pathogen

**Temperature:** Fluctuations

#### Geographic Feature:

resource focuses on specific type of geography

Rural

#### Geographic Location:

resource focuses on specific location

Non-United States

**Non-United States:** Africa

**African Region/Country:** African Country

**Other African Country:** Tanzania

**Health Impact:** ☒

specification of health effect or disease related to climate change exposure

Infectious Disease

**Infectious Disease:** General Infectious Disease

**Intervention:** ☒

strategy to prepare for or reduce the impact of climate change on health

A focus of content

**Medical Community Engagement:** ☒

resource focus on how the medical community discusses or acts to address health impacts of climate change

A focus of content

**Mitigation/Adaptation:** ☒

mitigation or adaptation strategy is a focus of resource

Adaptation

**Population of Concern:** A focus of content

**Population of Concern:** ☒

populations at particular risk or vulnerability to climate change impacts

Low Socioeconomic Status

**Resource Type:** ☒

format or standard characteristic of resource

Policy/Opinion, Policy/Opinion

**Timescale:** ☒

time period studied

Time Scale Unspecified

**Vulnerability/Impact Assessment:** ☒

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content